Wisconsin Society of Architects
March 1989

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1989 WSA Convention

State Assembly Chamber Restoration

Conservation of State Capitol Murals

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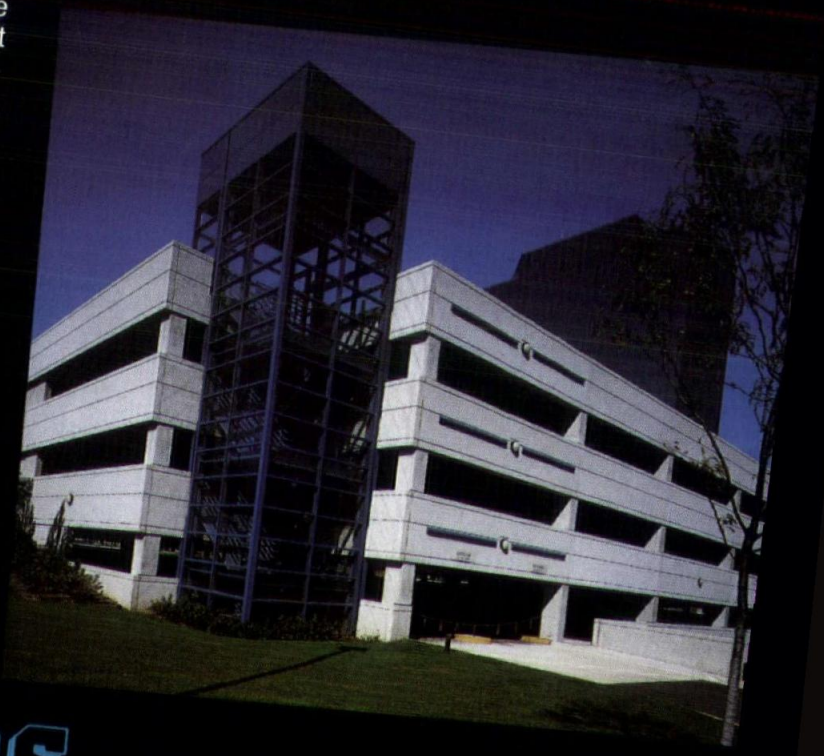

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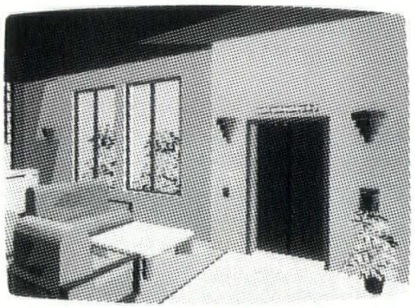

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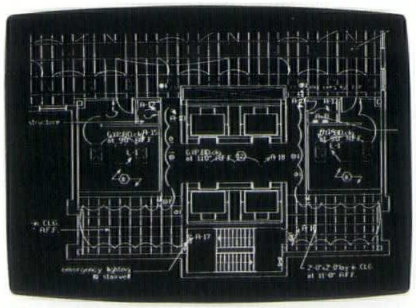

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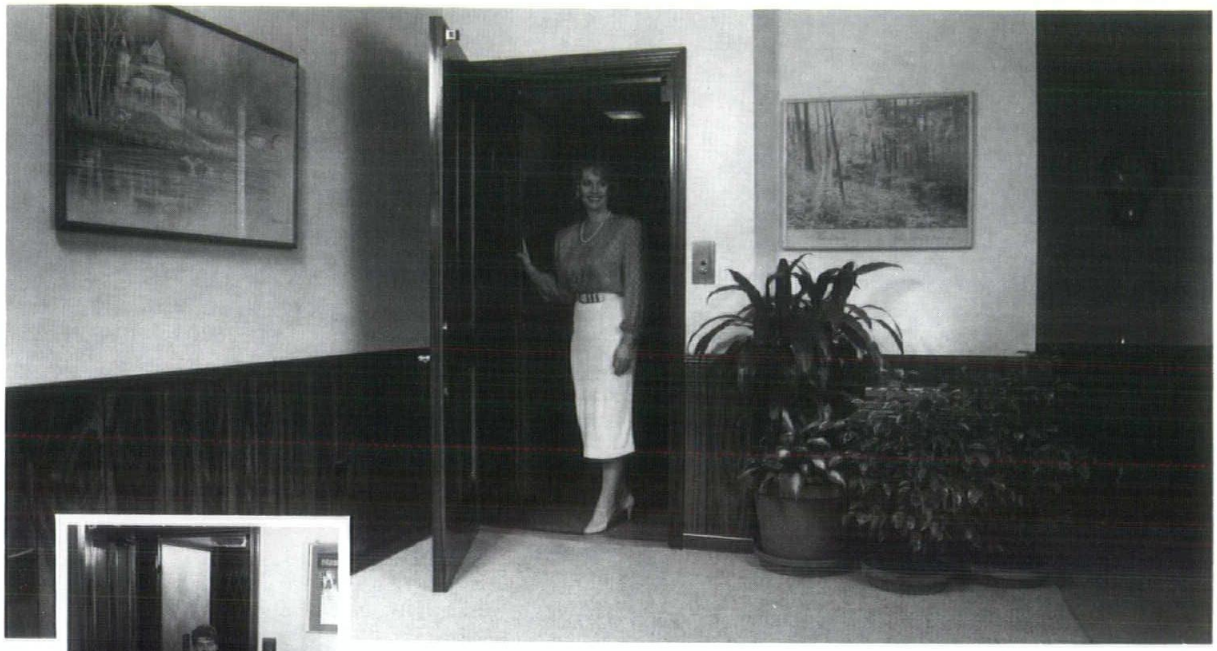

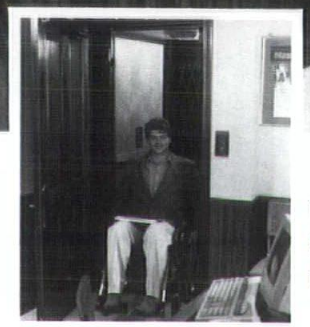

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Cover: View of newly restored Assembly Chambers
from West Gallery, January, 1989
Photographer: Eric Oxendorf

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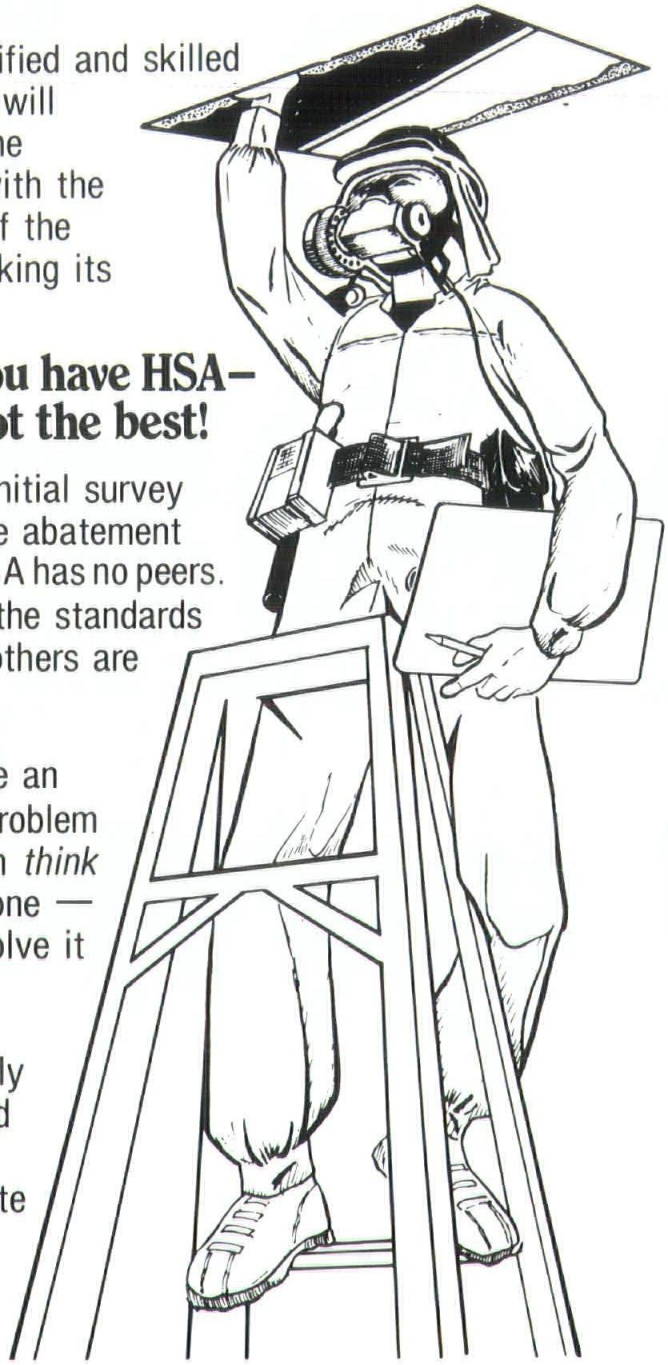

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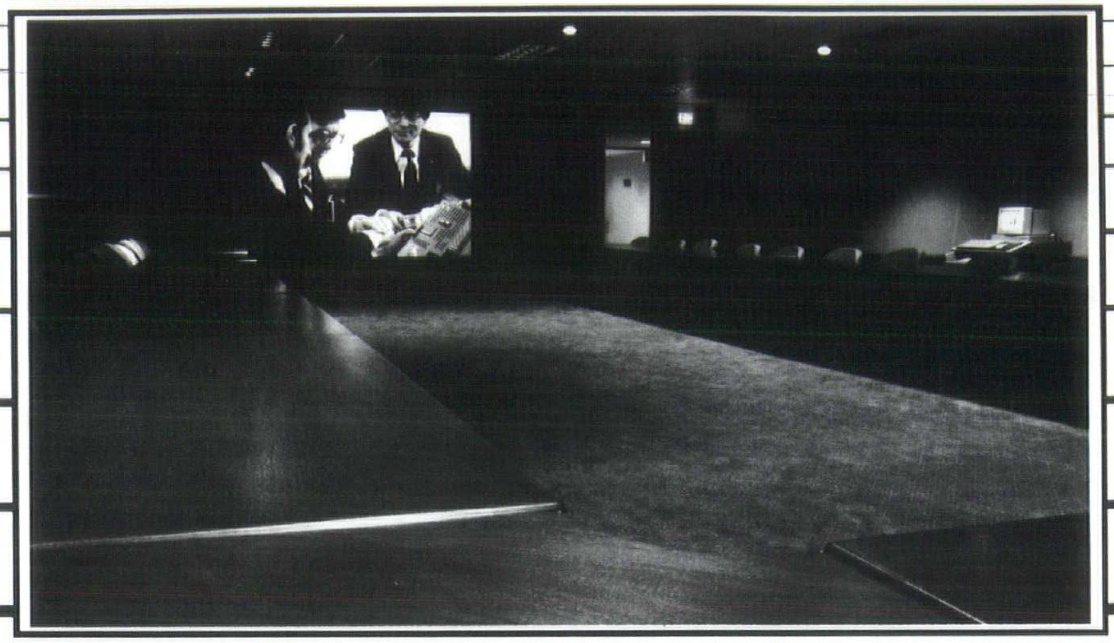

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In his opening remarks for the recent exhibition on "deconstructivist" architecture at the Museum of Modern Art in New York, Philip Johnson reflects on how architects have always strived toward the development of architecture in its purest form. . . .where all dissonance and disorder have been removed and the geometry of the various design elements contribute harmoniously toward a unified whole. And then, this geometric composition becomes the physical structure of the building, guaranteeing structural stability and purity.

Architecture/Structure. . .

This year's WSA Convention will offer programs featuring internationally known architects and engineers who will discuss the relationships of structure to architecture in their design. The work of several of our speakers exemplifies to the highest degree structure as an integral and basic aspect of design while the work of several others on the program seriously challenges the very fundamental precepts of this notion.

In any event, you will find the 1989 WSA Convention program stimulating, thought-provoking, and very worthy of your time.

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Rick Parfrey, AIA
1989 Convention Chair

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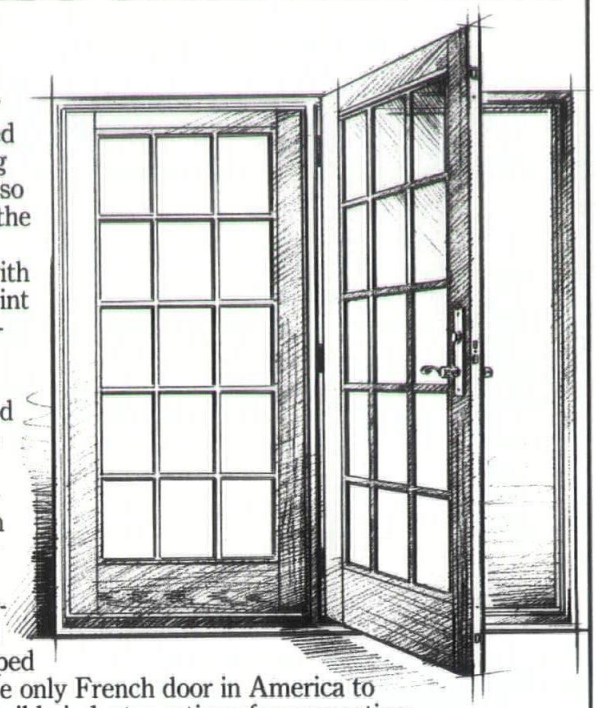

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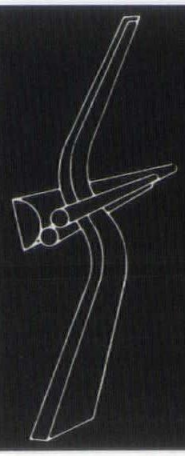

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by Charles J. Quagliana, AIA
Preservation Architect

Restoration Focus on —

OUR STATE ASSEMBLY CHAMBER

Although several renovation projects have taken place within the Capitol, this project is the first to attempt to accurately restore the original character and detail of a space by means of removing past alterations and replacing missing elements. The project also integrated changes, such as computer controlled sound and voting equipment, to make possible efficient contemporary use of the space while preserving the important original features of the chamber.

Historical Background

The history of the present Capitol begins with the appointment of a building commission in 1903 to construct a new and larger capitol. The existing building of 1863 no longer accommodated the growing governmental needs. Following a fire which partially destroyed the existing building in February of 1904, an invited competition, administered by Chicago Architect Daniel Burnham, was held to select an architect.

The New York firm of Architect George B. Post and Sons won the competition. Working drawings were started immediately. The new capitol would occupy the same site and be built in five phases over a period of years. This would spread expenditures over several years and allow parts of the old capitol to remain in use during construction.

Construction began in 1906 with the West wing and the capitol was completed in 1917 at a cost of just over seven million dollars. It would be the last great Beaux-Arts style capitol built in the United States.

The assembly chamber was completed in January of 1909. In 1917 the first voting machine was installed followed by the first sound system and a new voting machine in 1939.

The Department of Administration developed Restoration guidelines for the Capitol in 1980 and the legislature completed a Master plan in 1987.

The initial step in this restoration process began in the Fall of 1987 when the major thrust was to document and interpret the original design and concept. This would aid in later decision making for restoration work and integration of new elements.

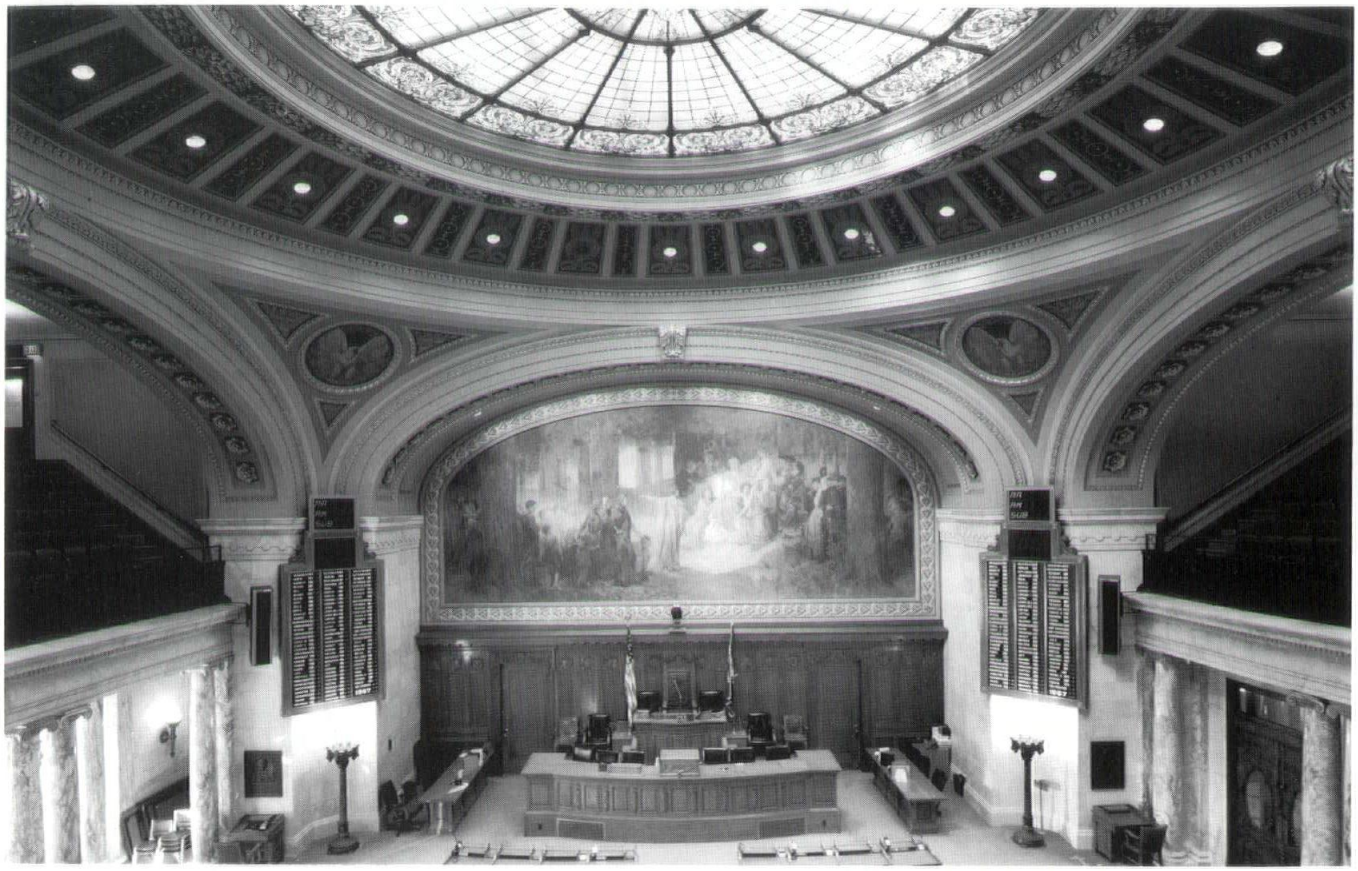
As the architectural team studied the available documents and photographs at the State Historical Society Archives and reviewed the period in architectural history in which the building was conceived, and understanding of the concept began to evolve.

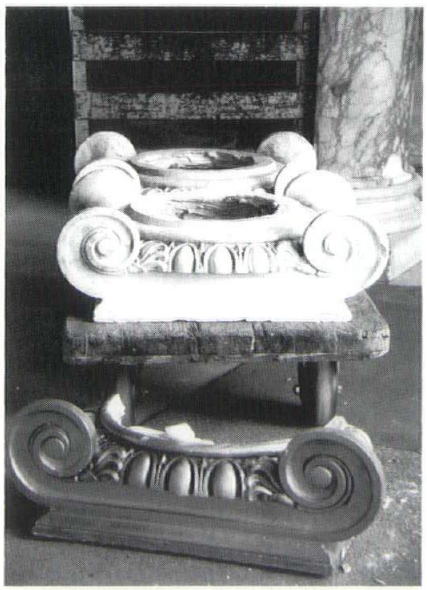
To prove the ideas and theories developed, on site investigations were undertaken. These included detailed measurements of moldings, cornices and trim, probe work to uncover original colors and stencil patterns and microscopic analysis of wood, metal and wall finish materials.

The team also searched the storage rooms of the capitol to locate original fixtures and misplaced components. Present and past capitol employees were interviewed to document previous conditions and develop a chronology of events for the building.

Construction began in May of 1988 with the removal of all furniture and carpeting from the chamber so further investigations could be made of the underfloor wiring system and podium desk area. It was discovered that changes to underfloor systems had been made several times in the past, probably as new voting systems were implemented.

Trenches were cut into the concrete floor for the installation of additional underfloor conduits to accommodate the new sound, telephone, voting and future computer wiring. Careful measurements and layouts were required to avoid cutting into existing underfloor systems. The main mural was covered with a temporary plywood and plastic enclosure to protect it during the dust and dirt portion of the project. In all, over 28,000 feet of new wire and cable were installed in the chamber.





Before Restoration, 1987 *(above)* *— The Assembly Chamber is located on the second floor of the West wing and was the first major public space completed. The chamber has Dover marble walls, Italian marble columns with arches supporting a dome area with a 30 ft. diameter art glass central skylight. The front of the chamber features a podium area with oak wainscot and desks and a 36 ft. x 18 ft. high mural titled "Wisconsin, Past, Present and Future."*

Photography by Eric Oxendorf

Gallery Wall Probe November, 1987
(far left)

Photography by Charles Quagliana

Column Capitols, July, 1988
(left)

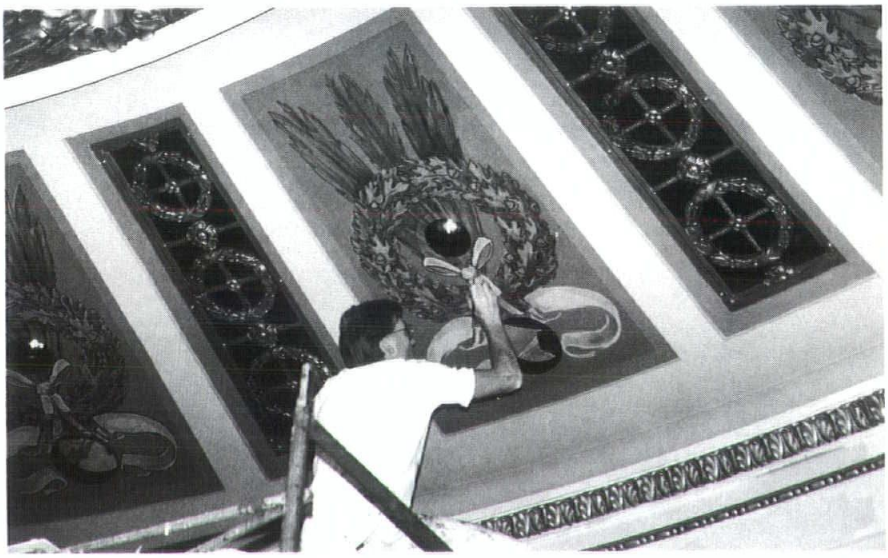
Photography by Mike Bath

Cleaning Pendentive Mural, September, 1988 — *In addition to the main mural, 18 smaller murals in the chamber were treated during the project. The oil on canvas "eagle" murals were cleaned of grime and dirt using cotton swabs and various solvents. Close examination revealed that the background of these murals had been painted over, obscuring original rays of light radiating from the eagle's head. Complete removal of these past alterations was not possible with current art conservation technology.*

Photography by Mike Bath

Drum Panel Art Work, September, 1988 — *Original artwork in the drum panel areas was carefully recreated by artists working on rolling scaffolds. The recreations were based upon probes done on the existing panels before modifications were begun and using original photographs of the chamber. A series of pounce patterns were used to accurately replicate the design on all 24 panels.*

Photography by Mike Bath



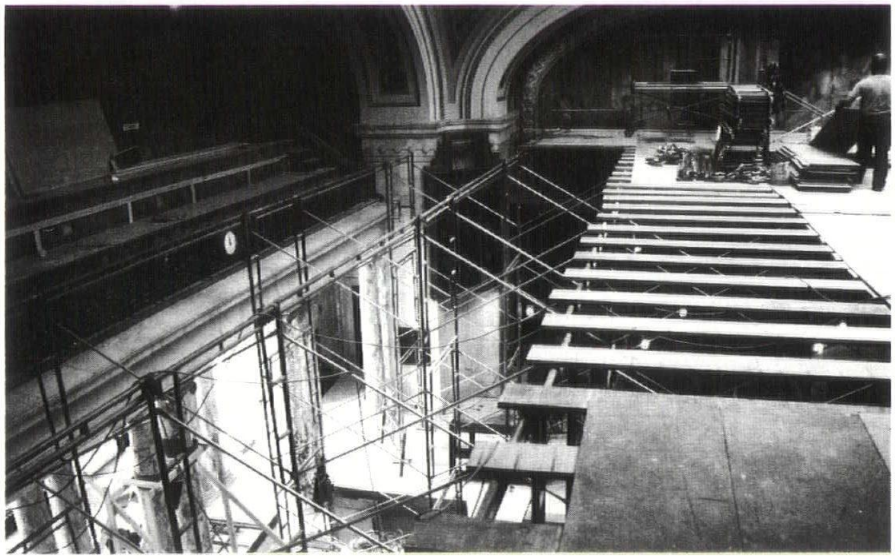
Upon completion of the first portion of underfloor work, a full deck scaffold was erected at the gallery level. This provided a second level work area which had access to the upper areas of the room 21 feet above the main floor. Work on paint scraping and plaster repair began immediately in this upper area as underfloor electrical and podium demolition proceeded on the main floor below.

Additional documentation and probe work was performed on the upper drum area as this had been previously inaccessible from the main floor. Work also began on the installation of new lighting and sound equipment which would be partially concealed in the crawl space above the drum panel area.

Stripping of the finish coats of varnish which had darkened through time began on all wood surfaces including the extensive wainscot at the podium, all window and door trim and baseboards. The stripping techniques used removed only the layers of varnish, leaving the original stain in the white oak. By the end of the project the staff of woodwork restorers had logged in excess of 275 manhours refinishing all wood surfaces.

Gold Stencil At West Side Aisle Ceiling, November, 1988 — *The side aisles and loggia required a moderate amount of new work. All plaster areas were patched and repainted using the historic colors while all column capitols were reguilted. Intricate guilted stencils were replaced on the side aisle ceilings.*

Photography by Charles Quagliana, AIA



Removal Of Full Deck Scaffold, October, 1988 — *Following the completion of painting and guilting in the upper areas, the full deck scaffold was removed allowing additional work on the main level to proceed. This included cleaning and grouting of the marble walls, repairs to a marble column which had shifted, and painting and reguilting of the side aisles and loggia area.*

Photography by Mike Bath

Upon completion of the dirt and dust phase of the work, the main mural and all minor murals were uncovered and conservation measures begun. Years of grime and dirt were painstakingly removed with Q-tips and mild cleaning agents. Once dirt was removed, the previous layer of protective varnish, applied in the 1960's but yellowed, was removed. Some 20,000 Q-tips were utilized in this cleaning process which took eight weeks. Cracks in the mural were repaired and small touch up was done. Finally, the murals were recoated with an acryloid varnish for protection.

In late August workers removing gallery flooring for installation of electrical conduits discovered the first series of artifacts. Just beneath the floor was found a man's smoking pipe filled with unburned tobacco and a copy of the sports page from the August 22, 1908 *Milwaukee Sentinel.* Many theories of original workman's break-times were instantly developed.

Original upper area ring DC lighting had been removed in the early 1960's. These lights were known as the "Ring of Pearls". The project scope of work called for the original

lights to be recreated but the problem of how to relamp the fixtures from 42 ft. below had to be solved. The attic space above the ring area provided for a solution.

After hours of research and field measuring, a method of lowering these 32 globed fixtures to the main floor level was developed. From the attic space a person could lower the cast aluminum fixtures down on cables and another person could relamp from the main floor. This would allow easy lamp replacement.

It was discovered that one marble column along the west side aisle had shifted slightly out of plum. This shift, it is thought, was the result of previous floor work which had occurred adjacent to the column.

The column was braced in place to secure it as repairs were implemented. To straighten the column, the concrete floor adjacent to it was broken away and the loose fill below removed. Shims were used to guide the column back into proper position, then the floor voids were grouted.

The capital on this column had been damaged by the shifting and needed to be partially replaced. Duplicate original plaster capitals were discovered in a basement storage room. These capitals were in fair condition and part of one was used to repair the damaged capital.

Craftsmen removed the existing plaster capital in pieces. Where possible pieces were reused then combined with portions of the newly found capital to make a complete unit. Workers then reset the refurbished two piece capital in place where it was regilted.

The installation of new computer controlled sound and voting equipment dictated extensive modifications to the desks at the podium. The upper and lower desks were completely rebuilt except for the front paneling of each. Many small artifacts, such as newspapers, DC lamps and wiring and snuff boxes, were discovered beneath the desks as previous work was disassembled.

Completed Assembly Chambers, January, 1989 — *Photography by Eric Oxendorf*

Precise drawings and details were required to coordinate the many new components with the reconfigured desks. Great skill and care were used in constructing the curved multileveled desk tops and angled consoles. Quarter sawn white oak was used for all finished work to match the original woodwork. All wood was stained and varnished to match the original finish.

In all, over 65 different craftsmen, from 15 different trades, contributed to the success of the project. This project was truly a team effort of management, architects, engineers, consultants and contractors. Together they achieved a very high level of quality by combining current technology with traditional craftsmanship and cooperative spirit.

As Wisconsin's major architectural gem, The Capitol is a tribute to the spirit of the people and culture who had it built. It is our continuing task to preserve this magnificent building as a reminder of the past and as a commitment to our future.

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Project Architect:
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Preservation Architect:
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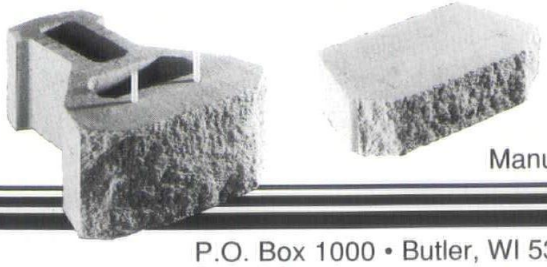

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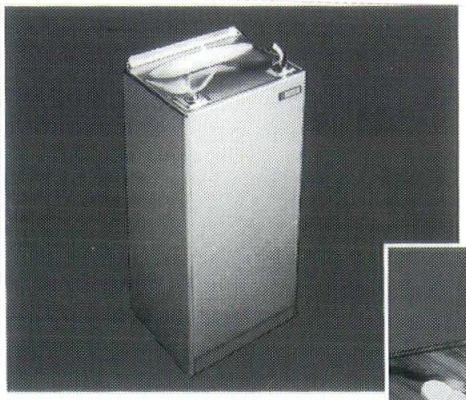
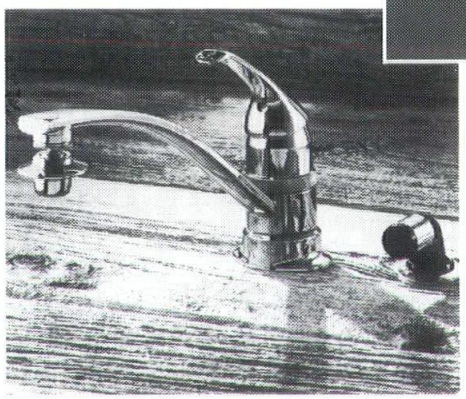


A full line of energy-efficient water coolers. Now featuring Elkay's exclusive Flexi-Guard™ bubbler that "flexes" to prevent accidental mouth injuries. Model shown from EFA Series.

America's best selling line of stainless steel sinks in three quality grades. Available separately or in easy-ordering sink/faucet combinations. Also a variety of accessories. Combination model shown: LMA-3322-C.

Complete selection of stainless steel Gourmet Collection™ Sinks... bright ideas for people who enjoy creative cooking and gracious living. Eleven different sinks in all, to fit your individual needs. Available in triple, double and single compartment models, with and without drainboard. Model shown: ILGR-6022-L-C.



Deluxe Single-Lever Post Mount Faucet. Single-lever glides effortlessly throughout full range of temperature adjustment. Extra long spout for far reaching convenience. Swivel aerator and retractable spray and hose makes kitchen tasks easier. Model shown: LK-4361-F.

There's more to Swirlflo than meets the eye. Swirlflo's recessed design creates a clean profile, its wheelchair accessible and Elkay's exclusive "Flexi-Guard" bubbler prevents mouth injuries. Swirlflo's six models come in bronzetone or stainless steel. Model shown: ERP-8-C.

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ARCHITECTURESTRUCTURE

Wisconsin Society of Architects
American Institute of Architects
1989 Convention
Olympia Village
Oconomowoc, Wisconsin
April 18, 19 & 20, 1989

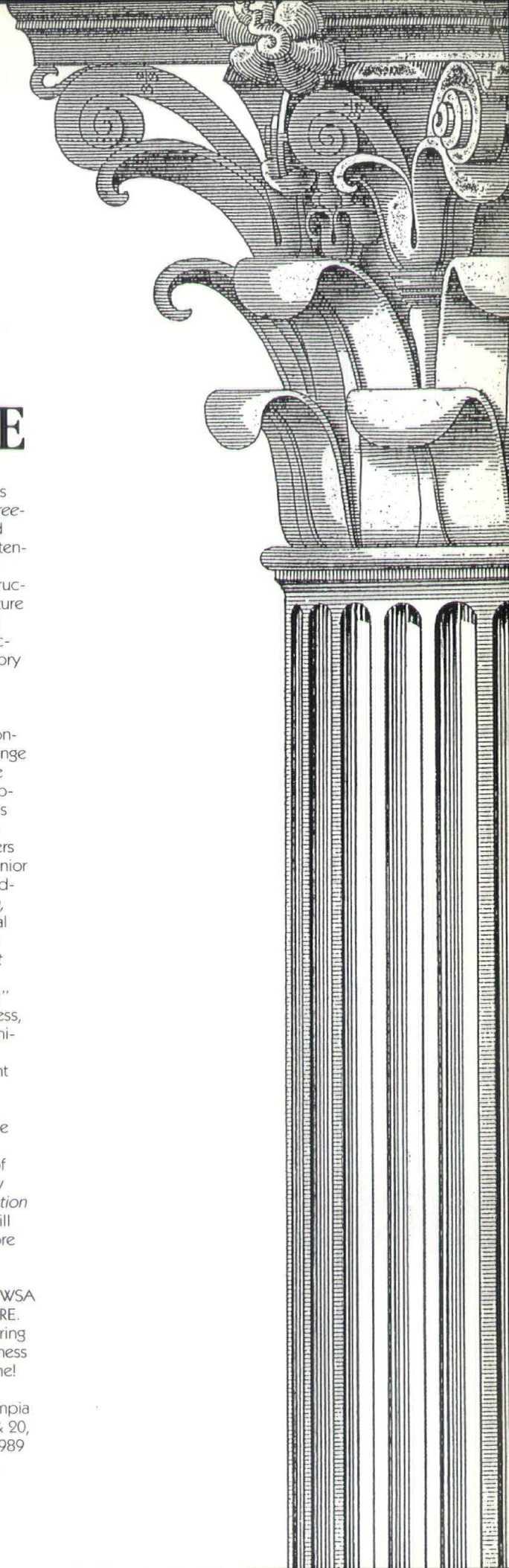
The theme of the 1989 WSA Convention is ARCHITECTURE/STRUCTURE. During the *three-day* conference, internationally acclaimed architects and engineers will focus our attention on the broad range of relationships between structure and architecture . . . structure as a consonant order to things, structure as an expressive design component and structure *as* architecture. We will see structure disdained and hear the instructive story surrounding one of recent history's most published cases of structure in failure.

The program for the 58th Annual WSA Convention will inspire you, intrigue you, challenge you and even make you laugh! In fact, the WSA Convention is so packed with exceptional speakers, entertaining social events and informative exhibits that it had to be expanded to three days. Featured speakers include: architect *Bruce Graham, FAIA,* senior design partner with SOM/Chicago; award-winning architect *Hugh Newell Jacobsen, FAIA; Robert Campbell, AIA,* architectural critic for the *Boston Globe;* humorist and political satirist *Dave Braden, FAIA; Horst Berger,* internationally known pioneer of tensile structure design; "deconstructivist" architect *Zaha Hadid* known for her fearless, provocative and futuristic vision; and architect/author *James Wines* of SITE who is internationally identified with the forefront of "narrative architecture."

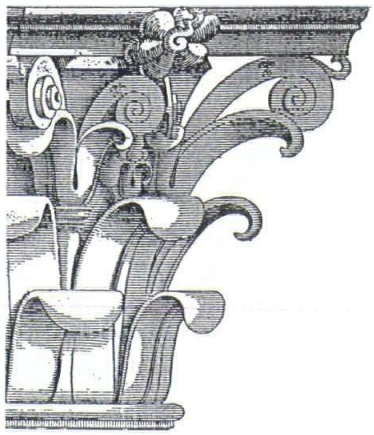
The 1989 WSA Convention contains all the ingredients for success . . . *professional stimulation* through the communication of new ideas, *sharing of knowledge* on new products and services, and *social interaction* between professionals. This year there will be more speakers, more exhibits and more fun than ever before!

All we need is you. Welcome to the 1989 WSA Convention . . . ARCHITECTURE/STRUCTURE. Mark your calendar, plan to attend and bring your friends, clients, consultants and business associates. There's something for everyone!

We look forward to seeing you at the Olympia Village in Oconomowoc on April 18, 19 & 20, 1989. For additional information on the 1989 WSA Convention, call the WSA office . . . 1-800-ARCHITECT/(608) 257-8477.



ARCHITECTURESTRUCTURE



CONVENTION REGISTRATION
Tuesday, April 18
11:00am - 7:30pm

Check in at the WSA Registration Desk at the entrance to the Expo Center at the Olympia Village and pick up your Convention program and other materials. This year, thanks to InterPlan, the WSA Convention will feature a specially fabricated registration center from Milcare, Inc., a Herman Miller company. Located near the WSA Registration Desk will be the Convention Message Center, an exhibition of VTAE Student Drafting Competition winners and displays by WISCONSIN ARCHITECT magazine, CSI, IBD, ASID, UWM SARUP, IDP, QBS and other affiliated groups and organizations.

PROFESSIONAL LIABILITY LUNCHEON
Tuesday, April 18
12:00noon - 1:45pm

As a FREE pre-Convention bonus, Victor O. Schinnerer & Company, Inc., is sponsoring this special session on professional liability insurance. If you're concerned about the ever-increasing cost of professional liability coverage for your practice and want to learn how you can better control your liability exposure, this luncheon program is for you . . . and Victor O. Schinnerer will even pick up your tab for lunch! Please indicate your interest in attending this informative pre-Convention session on the Registration Form. *Space is limited* . . . so it is important that you register early.

ARCHITECTURE/STRUCTURE
Bruce Graham, FAIA
Skidmore, Owings & Merrill
Tuesday, April 18
2:00pm - 3:30pm

Following brief opening remarks by Convention Chairman Rick Parfrey, AIA, the keynote address for the 1989 WSA Convention will be presented by architect Bruce Graham, FAIA, of Skidmore, Owings & Merrill. Graham's presentation will set the stage for this year's conference theme . . . ARCHITECTURE/STRUCTURE. He will discuss the strong influence of structure in his own work and design philosophy as well as the changing structure of today's architectural practice.

Graham, one of 12 design partners at SOM, is based in the firm's Chicago headquarters. In a recent profile of SOM in ARCHITECTURE magazine, Andrea Oppenheimer Dean described Graham as the "firm's most forceful and broadly influential presence in recent years." Graham's work reflects his longstanding fascination with and emphasis on structural expression. He is currently working on the expansive Bishopsgate mixed-use development in London's Liverpool Station area and also with Robert Venturi on the redesign of Barcelona. He spearheaded the recent founding of the SOM Institute, a think tank for urban architectural theory. Through a review of his recent work, Graham will share with us his insights into the influence of structure on design and his perception of the trends and forces that will shape the way architecture is practiced in the years ahead.

EXHIBITOR MEETING
Tuesday, April 18
2:30pm - 3:00pm

Exhibitors should have their booths set up by 2:30pm. Now meet with WSA Convention Chair Rick Parfrey, AIA, and WSA Executive Director Bill Babcock to review established procedures for the exhibit floor, the WSA Exhibit Booth Awards program and other important matters. To help insure that you have a successful show, Nancy Baxter will offer some tips on marketing to architects and other design and construction industry professionals who will be in attendance. Nancy is the Advertising and Production Manager for WISCONSIN ARCHITECT magazine and previously was in charge of trade shows conducted by the Wisconsin Restaurant Association.

EXHIBITS! EXHIBITS! EXHIBITS!
EXPO CENTER GRAND OPENING!
Wisconsin Architects Foundation Reception and Annual Meeting
Tuesday, April 18
3:30pm - 6:30pm

The Board of Directors of the Wisconsin Architects Foundation (WAF) cordially invites all WSA Convention participants to a wine and cheese reception in the Expo Center at the Olympia Village. Thanks to the support of Best Block Company, the wine and cheese are on the house! Cash bars will also be available. Come and visit the 157 exhibit booths featuring the latest in design and construction industry services, products, equipment and furnishings.

The WAF Annual Meeting will be held in the lounge area right in the middle of the Expo Center from 5:00 to 5:30pm. WAF President Tom Nisbet, AIA, will give a brief report on WAF activities and introduce 1988-89 WAF scholarship recipients. Several contributions to the WAF also will be formally presented during the Annual Meeting. Come and learn more about "Campaign 300" and other WAF programs and activities while you visit with friends and exhibitors over a glass of wine and a sampling of Wisconsin cheese. Bring your staff, clients and business associates to the Expo Center for a tour of the 157 exhibit booths before adjourning to the WSA Honor Awards Banquet.

WSA HONOR AWARDS BANQUET
Hugh Newell Jacobsen, FAIA
Tuesday, April 18
6:30pm - 9:00pm

The WSA sponsors an annual Design Awards program as a means of recognizing design excellence in Wisconsin. A jury of distinguished architects from outside of Wisconsin met in Milwaukee to determine the *Honor Award* and *Merit Award* winners for 1989 from over 80 submitted projects. Due to popular demand, the 1989 WSA Convention will witness the return of the Honor Awards Banquet. This Banquet will recognize the owners, contractors and architects who received WSA Design Awards this year. The winning projects also will be on display at the Olympia Village throughout the WSA Convention. There is a separate registration fee for the WSA Honor Awards Banquet.

The celebration begins with a social hour at 6:30pm. A limited number of copies of the new book from the AIA Press, *Hugh Newell Jacobsen, Architect,* will be available for purchase . . . and you may be able to twist the arm of the author to sign your copy. Following the dinner, which will begin at 7:30pm, WSA Honor and Merit Awards will be presented for the winning projects.

Award-winning architect Hugh Newell Jacobsen, FAIA, will be the featured Honor Awards Banquet speaker. His talk will include a presentation of his work as well as an entertaining discussion on design awards and architect-client relations. Jacobsen's work has been praised for his "instinct for precision, clarity and elegant formality." His energies focus on the basic aspects of design including composition, massing, fastidious attention to detail and even humor. As he has done in previous appearances in Wisconsin, Jacobsen is bound to poke fun at his work and, more so, his clients. Yet, through it all, you will come away with a real sense that Hugh Jacobsen's work is totally uncompromising in his manipulation of scale and shows a true brilliance in the linking of architectural styles.

DANCE THE NIGHT AWAY
Tuesday, April 18
9:00pm - ?!?!?!?

You're not ready to call it quits after the Honor Awards Banquet? Hugh Jacobsen got your creative juices flowing? Join your friends in the lounge at the Olympia Village and dance the night away to live music . . . visit the hospitality suites being hosted by WSA Convention exhibitors . . . you're on your own!

IDP FUN RUN
Wednesday, April 19
7:00am - ????

If you had too much to eat at the Honor Awards Banquet, here's your chance to run, walk or crawl it off over a course laid out by Olympia Village aerobic instructors. You don't even have to be the first one across the finish line to win . . . all you have to do is come the closest in predicting your finishing time. In addition to the chance for fame and fortune, participants will get the second big day of the WSA Convention off to a roaring start.

CONVENTION REGISTRATION
Wednesday, April 19
8:00am - 7:30pm

If you haven't done so already, stop at the WSA Registration Desk at the entrance to the Expo Center at the Olympia Village to pick up your Convention materials . . . and to see if you have any messages. Remember, there is *no* registration fee for the Construction Industry Reception in the Expo Center from 3:30pm to 7:30pm on Wednesday . . . so invite your clients, consultants and fellow architects!

WSA ANNUAL MEETING
Wednesday, April 19
9:00am - 10:15am

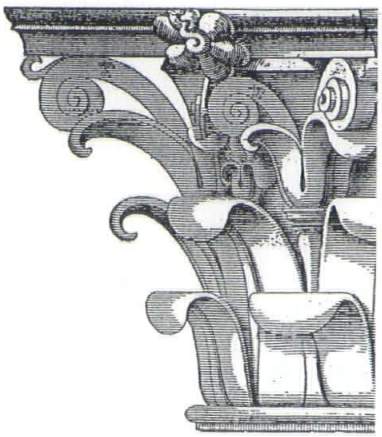
Join WSA President Dennis L. Olson, AIA, WSA Executive Director Bill Babcock, AIA North Central Region Director Robert Mutchler, AIA, the 1989 WSA Board of Directors and WSA Committee Chairs for a continental breakfast and the opportunity to discuss important issues facing the WSA and the profession. This is your chance to talk about the issues and to hear brief reports on WSA and AIA programs and the financial health of your professional organization. You are encouraged to participate and ask questions in an open and free-wheeling forum intended to provide members with the opportunity to share your thoughts, comments, suggestions, questions and observations regarding WSA programs and services.

ARCHITECTURE/STRUCTURE
Robert Campbell, AIA
***Boston Globe* Architecture Critic**
Wednesday, April 19
10:30am - 11:45am

In terms of suspense and intrigue, an Agatha Christie mystery has nothing over the story behind the John Hancock Building in Boston. As one of the more celebrated buildings of its decade, I.M. Pei's design of the Hancock tower received an AIA honor award as well as an award from the Boston Society of Architects as the city's "most beautiful piece of architecture."

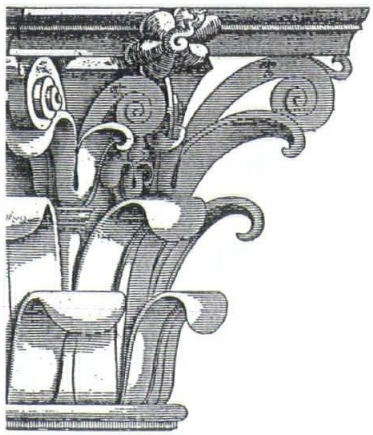
Robert Campbell's investigation into the troubles behind the basic failures of this project cuts through the legal non-disclosure agreements agreed upon by the many principals involved and provides architects and structural engineers an opportunity to learn from the experiences of the Hancock project. Campbell's story, in the words of ARCHITECTURAL RECORD editor Donald Canty, is a "highly instructive history of a very celebrated and very troubled building."

Robert Campbell is an award-winning writer on architecture and a practicing architect in Cambridge, Massachusetts. He is architecture critic of the *Boston Globe*. He also has written for many other publications and is a contributing editor of ARCHITECTURE magazine.

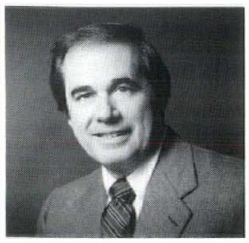


ARCHITECTURE STRUCTURE

ARCHITECTURE/STRUCTURE



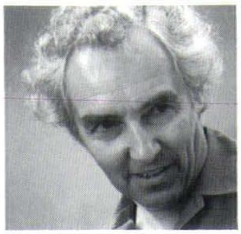
WSA GOLDEN AWARD LUNCHEON
David R. Braden, FAIA
Humorist
Wednesday, April 19
12:00noon - 1:30pm



The 1989 WSA Board of Directors and the 1989 WSA Convention Committee cordially invite you to the WSA Golden Award Luncheon at the Olympia Village. The Golden Award is the highest honor the WSA can bestow on one of its members. Its purpose is to recognize an individual architect who has performed most distinguished leadership and service to the WSA over an extended period of time and has advanced the cause of the profession in providing an inspiration to his/her fellow practitioners. On the agenda will be the presentation of the 1989 WSA Golden Award to Wayne E. Spangler, FAIA, of Rice Lake. He joins David E. Lawson, FAIA, Paul H. Graven, FAIA, and Mark A. Pfaller, FAIA, as the fourth Golden Award recipient. Come and join the celebration . . . lunch is on the WSA.

And that's not all! After lunch sit back and enjoy the wit and humor of Dave Braden, a Texas architect whose sense of humor and civic involvement has caused him to be dubbed the civically serious humorist of Dallas. Because of his poignant sallies from the rostrum, the Texas State Legislature refers to him as "The Great Forked Tongue West of the Trinity River." His comments on the American way of life have earned him a George Washington Honor Medal for Public Address from the Freedoms Foundation at Valley Forge. While "Dave" is not entertaining state and national organizations, David R. Braden, FAIA, is president of Dahl-Braden-PTM, Inc., a major Dallas architectural, engineering and interior design firm. Whoever said that architects don't have a sense of humor had never met Dave Braden.

ARCHITECTURE/STRUCTURE
Horst Berger
Horst Berger Partners
Wednesday, April 19
2:00pm - 3:15pm



"Structural order becomes the creative generator of architectural space . . ." Horst Berger is an international pioneer in the design of tensile surface structures. This special presentation is made possible by the generous support received from J.H. Findorff & Son, Inc.

Horst Berger is an engineer who has made a highly successful practice of the integrating of tensile structures and the associated technologies with architecture, lighting and acoustics. As a partner in the New York consulting firm of Horst Berger Partners, he is known for his contributions to the design and engineering of numerous fabric structures worldwide, including roofs for the Riyadh Stadium, the Jeddah Haj Terminal, Canada Place in Vancouver, the San Diego Convention Center and the McClain Athletic Facility in Madison. His presentation on the *Non-Linear Forms for Architectural Structures* is certain to provoke a renewed interest in our sense of the basic design relationships that exist between structure and architecture.

WSA CONSTRUCTION INDUSTRY RECEPTION
Olympia Village Expo Center
Wednesday, April 19
3:30pm - 7:30pm

Come and enjoy the largest "Hospitality Suite" ever at the WSA Convention. This hospitality suite will be the entire Expo Center at the Olympia Village and will include 157 exhibit booths featuring the latest in design and construction industry products and services.

Remember, registration is FREE for this special event! Invitations to the WSA Construction Industry Reception have been sent to engineers, interior designers, landscape architects, facility managers, contractors and others affiliated with the design and construction industry in Wisconsin. Bring your spouse, invite your co-workers, consultants, industry friends and clients. This is an excellent opportunity to update your ties with the construction industry and keep abreast of new technology, service and materials. Beer and snacks are compliments of the WSA. You don't want to miss this event!

IDP OPEN FORUM
Expo Center
Wednesday, April 19
3:30pm - 7:30pm

WSA Associate members are invited to participate in informal discussions on the Intern-Architect Development Program with select IDP dignitaries throughout the course of the Construction Industry Reception in the Olympia Village Expo Center. These sessions will be held near the lounge area and exhibit booths. The exact location and length of the IDP forums will vary . . . so keep your eyes and ears open. Look out for people with funny looking green IDP pins and listen for small groups whispering something about establishing NCARB records.

WSA PROGRESSIVE COCKTAIL PARTY
Hospitality Suites
Wednesday, April 19
7:30pm - 9:30pm

Following the Construction Industry Reception, the fun will continue as WSA Convention exhibitors host stops along the Progressive Cocktail Party in their hospitality suites at the Olympia Village. Be sure to visit the Convention Chairman's suite for some delectable delights! Enjoy this chance to visit with architects and exhibitors in this most informal of settings. Why not take this journey in search of the perfect hors d'oeuvre and your favorite beverage?

There will be answers to the WSA Architectural Trivia Contest at each stop along the way. Finding the answers will enable you to enter the special door prize drawing during the Walking Lunch in the Expo Center on Thursday.

WSA ICE CREAM SOCIAL
Wednesday, April 19
9:30pm - 10:30pm

In keeping with the theme of the 1989 Convention, you will be able to try out the ideas you picked up from today's speakers as you design and construct your own sundae at the WSA Ice Cream Social. This special event is back by popular demand . . . and it's FREE. There will be plenty of ice cream and lots and lots of goodies to put on top. Make a statement about the relationship between structure and architecture . . . and remember that the WSA is not responsible for toppings that fall off onto unsuspecting sundae designers.

DINING, DANCING & HOSPITALITY SUITES
Wednesday, April 19
????pm - ?!?!pm

What happens after you've made every stop on the Progressive Cocktail Party and designed and devoured your ice cream sundae? That's up to you. There will be exhibitor hospitality suites, dancing and dinner at the Olympia Village. You may want to try one of Oconomowoc's fine restaurants . . . look for information at the WSA Registration Desk on area restaurants and other attractions.

CONVENTION REGISTRATION
Thursday, April 20
8:30am - 1:30pm

Stop at the WSA Registration Desk at the entrance to the Expo Center to pick up your Convention materials and to check the WSA Message Center.

CONTINENTAL BREAKFAST
Thursday, April 20
8:30am - 9:15am

Enjoy some coffee and a fresh danish or croissant before the morning's first seminar. Try to recover from Wednesday night's party while you visit with friends from around the state.

ARCHITECTURE/STRUCTURE
James Wines
SITE
Thursday, April 20
9:30am - 10:45am

Architect James Wines and his firm, SITE, have been identified internationally as being in the forefront of "narrative architecture." His projects and essays have been extensively published in the professional, academic and popular journals of 25 countries, and he has received major design awards for his buildings and interior design work.

Under Wines' leadership, SITE has challenged the established notions of what proper architecture "should be" and, in David Kessler's words, "virtually assaulted the building type, demolishing, revealing, cutting, and subverting it in as many ways as opportunities allow." His series of commercial buildings for the Best Products Company were, in some ways, an introduction for many of us to this dialectical, yet humorous, approach to design.

In addition to his highly successful practice, James Wines has participated in over 1,000 professional and academic conferences around the world and is presently the Chairman of Environmental Design at Parsons College in New York. He is an outstanding speaker and author of a recently published book *DE-ARCHITECTURE*.

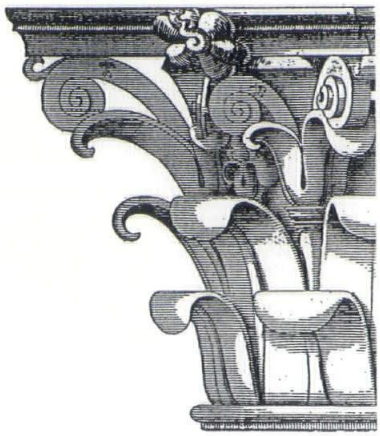
EXHIBITS! EXHIBITS!
AND MORE EXHIBITS!
WSA Walking Lunch
Thursday, April 20
11:00am - 1:00pm

Take a casual stroll through the Expo Center at the Olympia Village and enjoy a walking lunch . . . included in your registration fee. Come and visit with the 157 exhibitors of design and construction industry products and services. Examine the winning submittals from this year's VTAE Student Drafting Competition, relax and converse in the lounge area right in the middle of the exhibits and take part in the other special events planned for this exhibit period. Door prize winners will be announced, including the winner of the Architectural Trivia Contest held in the hospitality suites Wednesday evening. You must be present to win, so don't miss out on the chance for fame and fortune! Here is your last opportunity to shop the full gamut of construction industry materials and services necessary for successful projects . . . all in one convenient location.

ARCHITECTURE/STRUCTURE
Zaha Hadid
Zaha Hadid, Architect
London, England
Thursday, April 20
1:00pm - 2:15pm

When Zaha Hadid's design proposal for the Hong Kong Peak International Design Competition was selected from over 600 entrants it generated considerable controversy. How, it was asked, could a wildly distorted design that looked as though it was about to fly off into space win out over the more conventional, more "buildable" solutions submitted by other notable contestants? The resounding answer to that question has emerged over the past several years in the form of the widespread attention that is being paid to Hadid's work which is represented by the intricate juxtapositioning of plans, sections, elevations and skewed perspectives. She has had retrospectives of her projects held in London, Tokyo, Berlin and, most recently, in Philip Johnson's exhibition featuring the work of seven "deconstructivist" architects at the Museum of Modern Art in New York.

Hadid's presentation of her work and design philosophy will help establish an exciting spectrum of ideas for the 1989 WSA Convention. She uses drawings as research, a way of testing design from every angle. Hadid insists, despite accusations that her work is "paper architecture," that she fundamentally believes her work can be built. And indeed it can, as illustrated by two projects in Berlin that have recently been completed. As Deborah Dietsch commented in ARCHITECTURAL RECORD: ". . . architects are attracted to the fearlessness of her provocative, futuristic vision and the sheer optimism that it projects. Like generations before them, they yearn for heroes to show them the way. They now can look to a heroine."



ARCHITECTURESTRUCTURE

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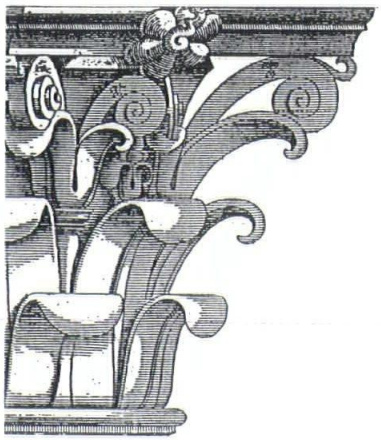


POST-CONVENTION PANEL
James Wines and Zaha Hadid
Thursday, April 20
2:15pm - 3:15pm

Kick back, relax and join today's featured speakers Zaha Hadid and James Wines for an informal, free-wheeling exchange on architecture, structure and other topics of the day. While your participation in this lively bonus panel discussion is optional, it is highly recommended.

ARCHITECTURE/STRUCTURE
WSA Convention Schedule

Tuesday, April 18
12:00 - 1:45pm
Professional Liability Luncheon
2:00 - 2:15pm
Opening Remarks
2:15 - 3:30pm
General Session: Bruce Graham, FAIA
2:30 - 3:00pm
Exhibitor Meeting
3:30 - 6:30pm
WAF Wine & Cheese Reception
5:00 - 5:30pm
WAF Annual Meeting
6:30 - 9:00pm
WSA Honor Awards Banquet
Speaker: Hugh Newell Jacobsen, FAIA

Wednesday, April 19
7:00 - 8:30am
IDP Fun Run
9:00 - 10:15am
WSA Annual Meeting
10:30 - 11:45am
General Session: Robert Campbell, AIA
12:00 - 1:30pm
WSA Golden Award Luncheon
Speaker: David R. Braden, FAIA
2:00 - 3:15pm
General Session: Horst Berger
3:30 - 7:30pm
WSA Construction Industry Reception
7:30 - 9:30pm
WSA Progressive Cocktail Party
9:30 - 10:30pm
WSA Ice Cream Social

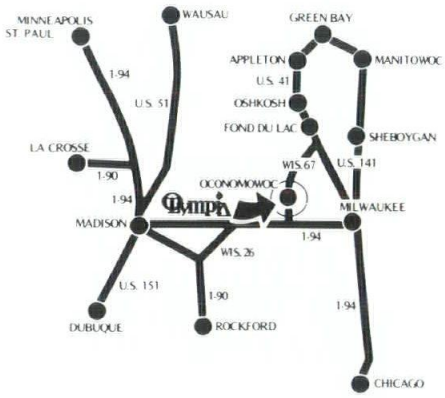
Thursday, April 20
8:30 - 9:15am
WSA Continental Breakfast
9:30 - 10:45am
General Session: James Wines
11:00 - 1:00pm
WSA Walking Lunch
1:00 - 2:15pm
General Session: Zaha Hadid
2:15 - 3:15pm
Post-Convention Panel: Wines & Hadid

CONVENTION PARTICULARS
Lodging

A block of rooms has been reserved at the Olympia Village in Oconomowoc, Wisconsin. Exhibitors and registrants participating in the WSA 1989 Convention will be able to obtain rooms (single or double occupancy) for $58 per night. These rooms normally rent for $95 per night. Reservations should be made directly with the Olympia Village by returning the reservation envelope or calling: 1-800-558-9573, (414) 567-0311 or 342-0414 (from Milwaukee). Tell them you are with the Wisconsin Society of Architects Convention.

How to Get There

Getting to the Olympic Village is half the fun. Conveniently located, it is an easy drive from Milwaukee, Madison, Green Bay and most other areas of Wisconsin. From Milwaukee or Madison travel on Interstate 94 to Exit 282. Continue north 1.5 miles on Wisconsin Rte. 67. The entrance to the Olympia Village is on the left. Limousine service is available from the Milwaukee Airport, with 10 round trips daily.



Spouses

The spouses of individuals registered for the WSA Convention will be offered free admittance to all Convention general sessions and exhibit periods. Tickets may be required for certain special events. Please check the Registration Form for additional details. Each spouse should obtain an identification badge at the WSA Registration Desk.

Message Center

There will be a Message Center located at the WSA Registration Desk near the entrance to the Expo Center at the Olympia Village. Calls should be placed to the Wisconsin Society of Architects Convention at (414) 567-0311, and callers should ask for the WSA Message Center.

Door Prizes

Door prizes will be awarded during the exhibit periods in the Expo Center. The special Architectural Trivia Contest prize will be awarded at approximately 12:00 noon on Thursday, April 20th. You must be present to win. Due to security reasons, we are not allowed to divulge what the door prizes may be at this time. Schedule your time to be present in the Expo Center . . . you could be a winner!

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The Expo Center at the Olympia Village will be open during all three days of the WSA Convention, and registration is free for all exhibit periods. Exhibit periods for 1989 include: 3:30 - 6:30pm on Tuesday, April 18th; 3:30 - 7:30pm on Wednesday, April 19th; and 11:00 - 1:00pm on Thursday, April 20th. Find the answers to all your questions on new products and services from the following companies that will be represented on the exhibit floor. Their support makes the 1989 WSA Convention possible.

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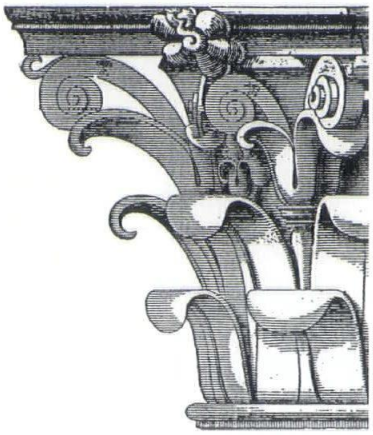

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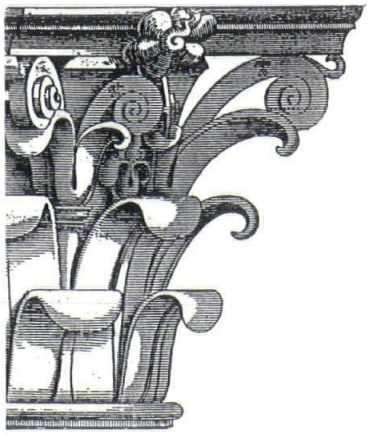

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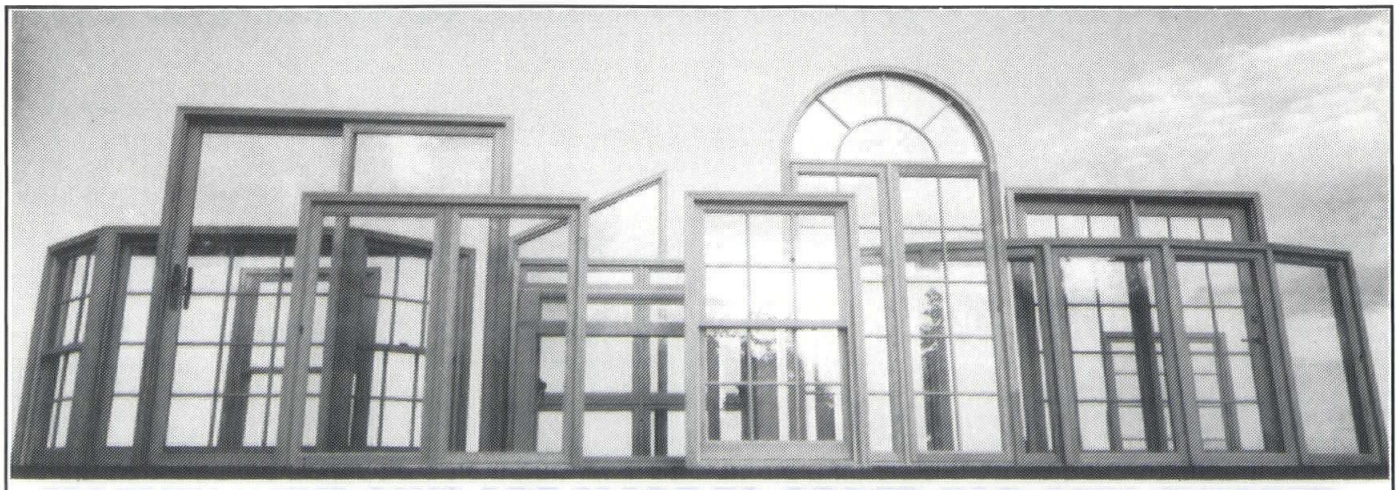

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Conservation of the Assembly Chamber Murals

Art conservation is the technical profession devoted to prolonging the life of a work of art. In the case of mural conservation it is directly linked to building restoration and the cooperative efforts of conservators and preservation architects.

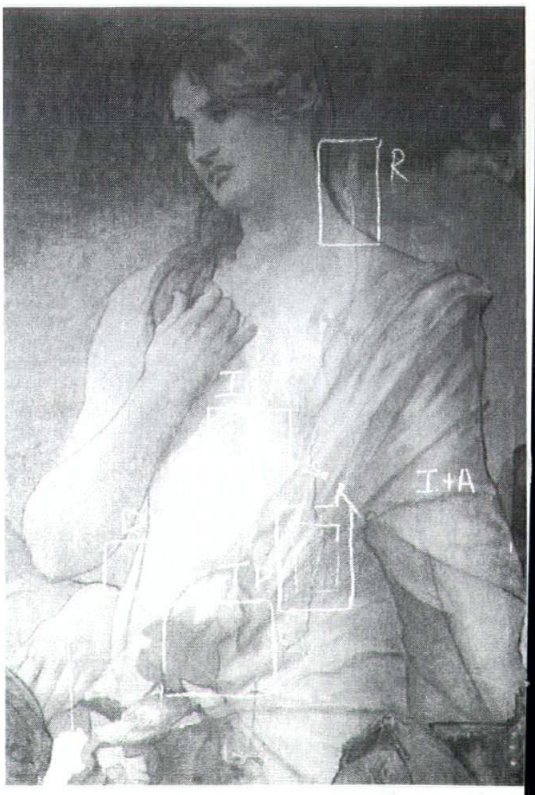
During the recent restoration of the Assembly Chambers, the nineteen murals found within the room were conserved. The most important of these murals and the largest painting in the state of Wisconsin is entitled "Allegory of Wisconsin," painted by Edwin Blashfield. The mural was painted on nine large pieces of canvas in the artist's studio in New York and was brought to Madison for installation in 1910.

The painting is an allegory of Wisconsin's past, present and future with female figures representing Wisconsin, Lake Superior, Lake Michigan, and the Mississippi river. There are also portraits of early French explorers and Civil War veterans and pioneers.

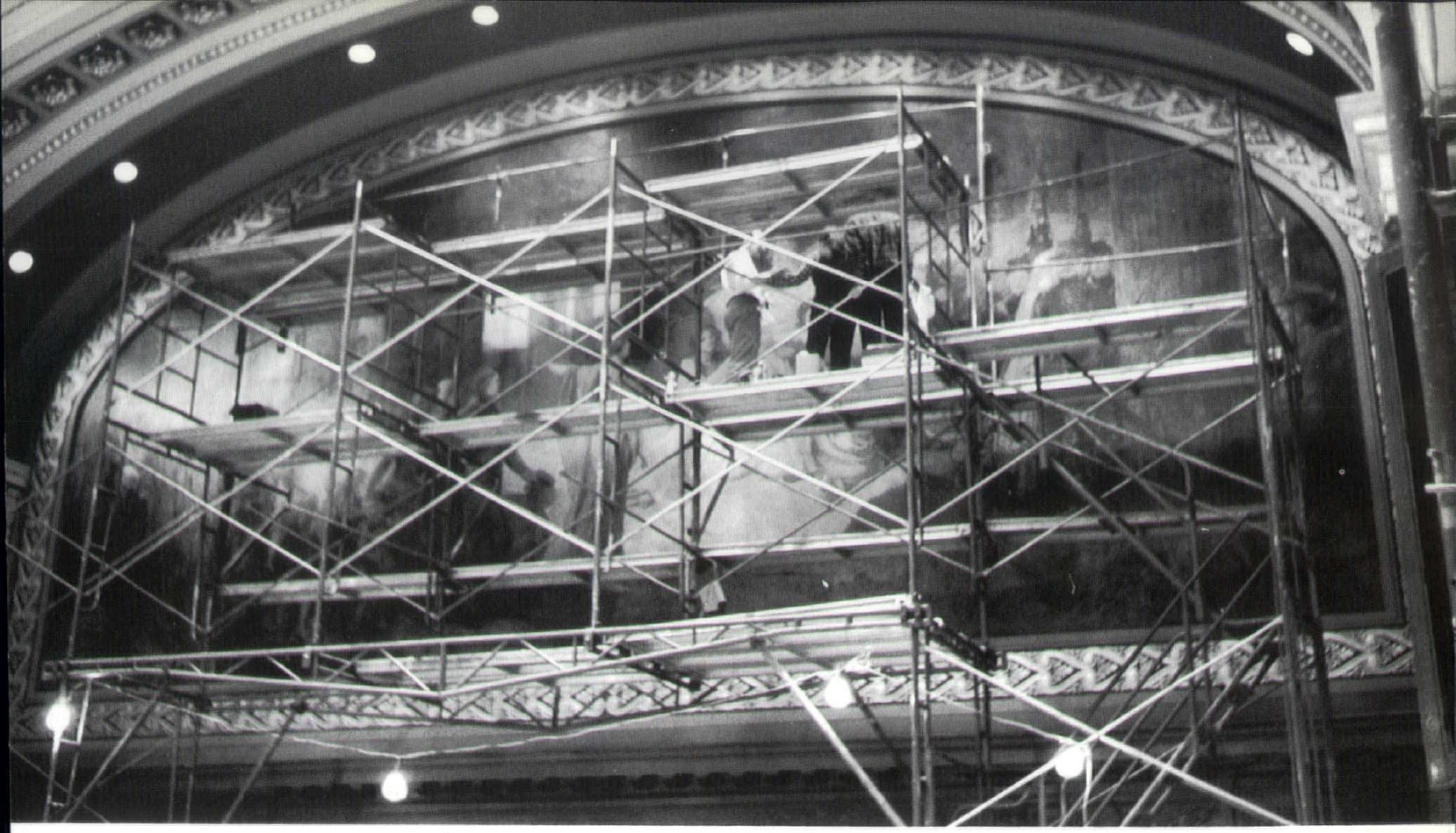
Since it was installed, the mural has suffered a number of changes. Shifts in the wall caused two cracks. In addition there were two misguided "restorations". The last restoration covered the mural with a thick polyurethane resin that gradually darkened and became insoluble. A guiding principle of conservation is that the materials used be reversible, such as varnish and retouch. Extensive recent testing with various solvents to clean the murals resulted in failure. Any solvent that removed the resin also damaged the art. The conservators then turned to a new cleaning system utilizing biological enzymes to break down the resin and remove it without damaging the art. The enzyme system proved effective. Cleaning was done a square inch at a time. Approximately 20,000 Q-tips were used. After cleaning, the cracks were touched up using reversible paints formulated for art conservation. A thin non-yellowing varnish called Acryloid B-67 was applied by hand. This varnish can be easily removed with mild solvents the next time the mural requires cleaning.

One of the most fascinating aspects of this project was the discovery and recording of pentimenti, design originally painted by the artist, but for one reason or another, painted over before the completion of the mural. With the use of infrared photography, eight areas of pentimenti were identified and photographed. This is part of the permanent photographic record that suppliments written documents of the mural's condition before and after conservation. The conservation of all nineteen murals in the Assembly took three months with a staff of three conservators and a part-time photographer.

Story by Anton Rager, Art Conservator for the Assembly Chamber Murals.



Photography by Joseph G. Brown



Upper left: Detail of "Wisconsin, past, present, future" showing the crack running through rightshoulder of "Lake Superior" with test square in white lines. The letter in the square refers to solvents used in the examination phase of the project.

Lower left: Detail of the mural "Wisconsin, past, present, future" showing areas tested with various solvents to determine cleaning methods. Each of the letters refers to solvents, such as acetone, toluene etc.

Upper right: General view of the work site during the conservation of "Wisconsin, past, present, future." The oil-on-canvas mural measures 36 feet by 18 feet and is composed of nine large pieces of canvas glued to the wall. The scaffolding was freestanding and did not touch the painted surface.

Lower right: Infrared detail photograph of French explorers in the mural "Wisconsin, past, present, future". The infrared photo indicates that the figure in the top center of the composition was removed by the artist before completing the picture. This is an example of artist "pentimenti," or reworking of the composition. Infrared light has the ability to penetrate beneath the paint layers and show earlier versions of a picture.

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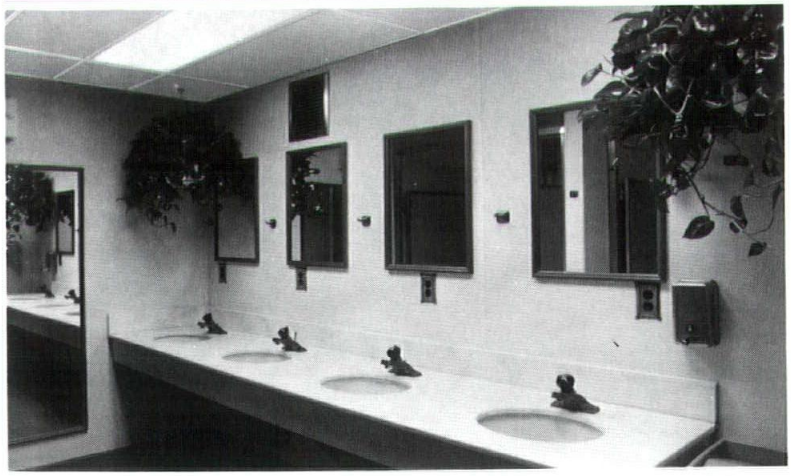

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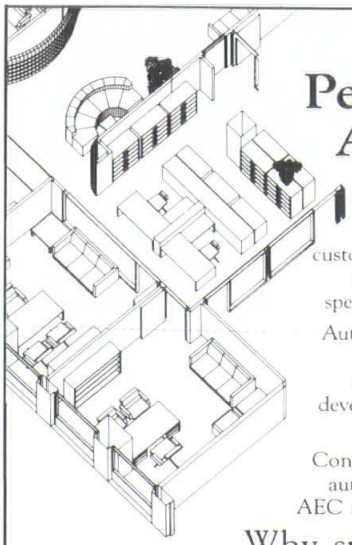

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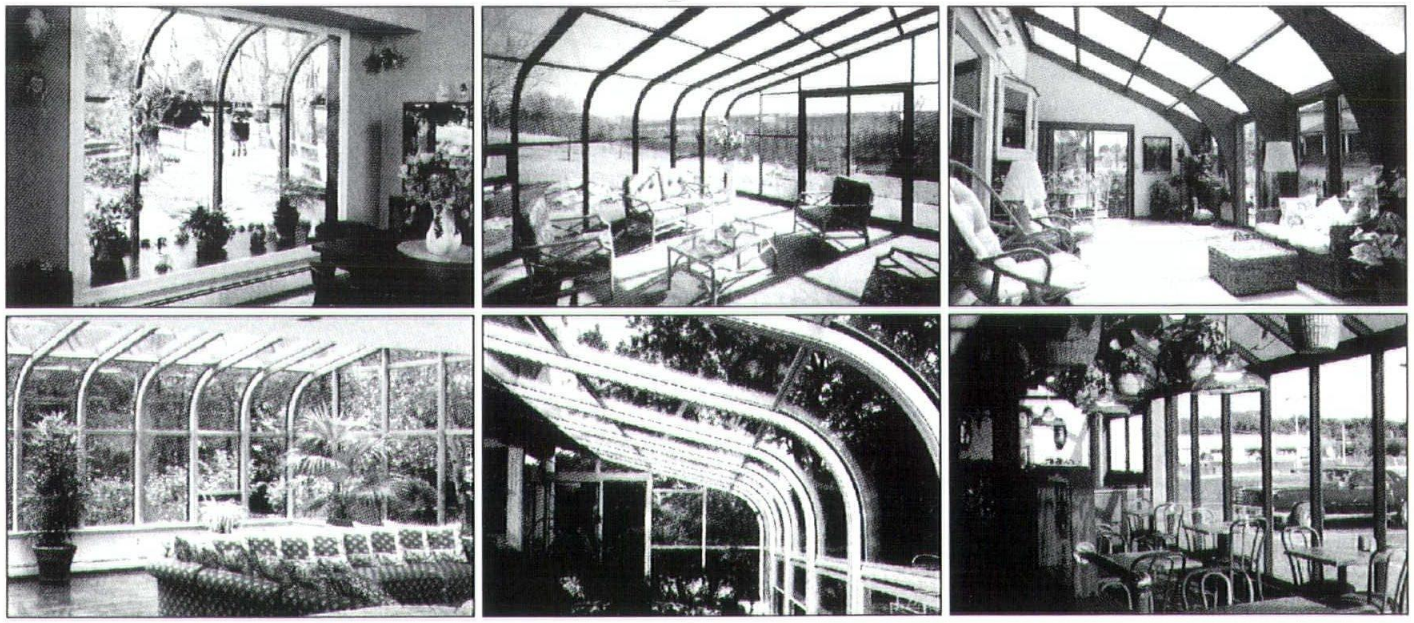

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Arlan Kay, AIA

Requiring IDP for Licensure

At its recent meetings, the Architects Section of the Architects, Professional Engineers, Designers and Land Surveyors Examination Board has discussed at length the Intern-Architect Development Program (IDP), including recommendations that would require IDP or an equivalent record of experience to become licensed in Wisconsin.

Arlan Kay, AIA, a professional member of the Joint Board as well as State IDP Coordinator, was asked to prepare a report on IDP for members of the Architects Section. The following is Arlan's report which was discussed at the December, 1988 meeting of the Architects Section.

During the past eight years, IDP has grown from a struggling idea to a program that serves an estimated 12,000 intern-architects and the 4,000 firms that support them. Legislation has been adopted by *28* state boards *requiring* IDP training for licensure, with another *19* state boards (including Wisconsin) *accepting* IDP training as equivalent to their training standard for licensure.

IDP was developed in response to the need to verify objectively an architectural candidate's experience. This grew along with challenges to the validity of the ARE and the debates over minimum education and experience of architects. Wisconsin was among the first to challenge the validity of the ARE in the 1970s. Detailed studies determined minimum educational experience and examination requirements to protect the health, safety and welfare of the public. Wisconsin's experience requirements were used as one of the national guidelines for development of IDP.

Therefore, I recommend that the Architects Section prepare rules requiring the Intern-Architect Development Program training format for licensure as an Architect in Wisconsin. This action should take affect at least two years after the adoption of the requirement to give adequate preparation to future and present applicants.

IDP provides positive guidelines to candidates and documents their professional experience to meet state board requirements.

Many questions have been raised about the cost, in time as well as money, and the value of such a program to the candidates, the firms for which they work and the examination boards. Wisconsin also raises questions of fairness and access of citizens to become members of professions and still protect the health, safety and welfare of citizens of the state. The following provides answers to questions most often asked about IDP in Wisconsin.

- *How many Wisconsin candidates are currently in IDP?* About 30 have NCARB active files.

- *How many firms are participating in IDP?* About 10 Wisconsin firms are known to be participating in IDP, and additional information on this is being compiled.

- *What is the cost to the intern?* An initial fee of $50 is required to start an IDP file with NCARB. Once completed, a $75 fee is required to forward the information to the state exam board desired. There is also an annual $25 maintenance fee.

- *Do IDP standards meet minimum Wisconsin requirements?* Yes.

- *Does NCARB/IDP respect Wisconsin requirements for education, experience and examination?* Yes.

- *Will NCARB maintain an IDP file for all Wisconsin candidates if they meet Wisconsin educational requirements?* Yes, NCARB will keep IDP records even though a candidate does not have a certified architectural degree. Wisconsin is to inform NCARB of education and experience requirements.

- *Will any Wisconsin candidate be prevented access to IDP?* No, Wisconsin rules apply as to when a person can start acquiring experience.

- *Is IDP experience gained in Wisconsin automatically transferable to other states?* Not always. States with professional degree requirements will not accept value units acquired prior to acquiring the degree or after three years at an accredited school.

- *Does Wisconsin IDP experience apply toward obtaining NCARB certification?* Yes, but a candidate must have *three* years of experience and a professional degree as compared to Wisconsin's two years and a professional degree.

- *Is there additional work created for architectural offices?* The initiative and effort is the responsibility of the candidate. The office verifies the type of work completed, usually quarterly.

- *Is there more work for the state exam board?* No, there is less because the work experience is identified and certified by an outside agency thus eliminating much of our present method of verification by staff and the Board members.

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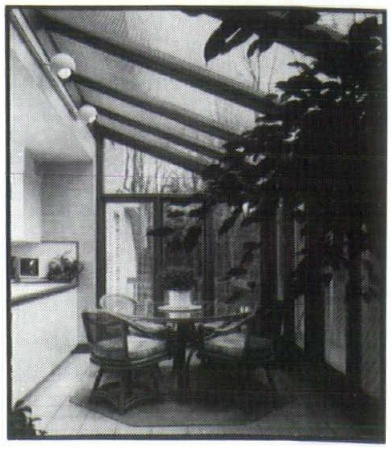

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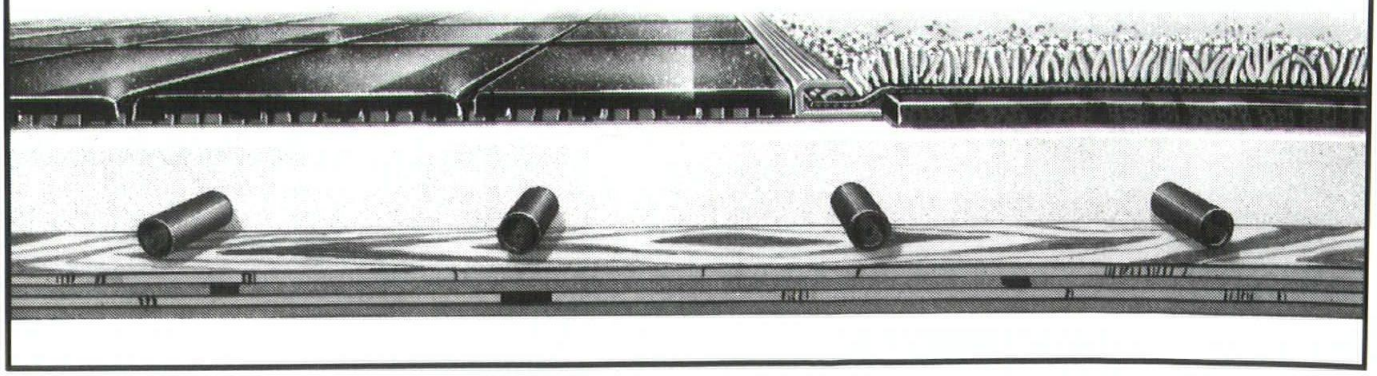

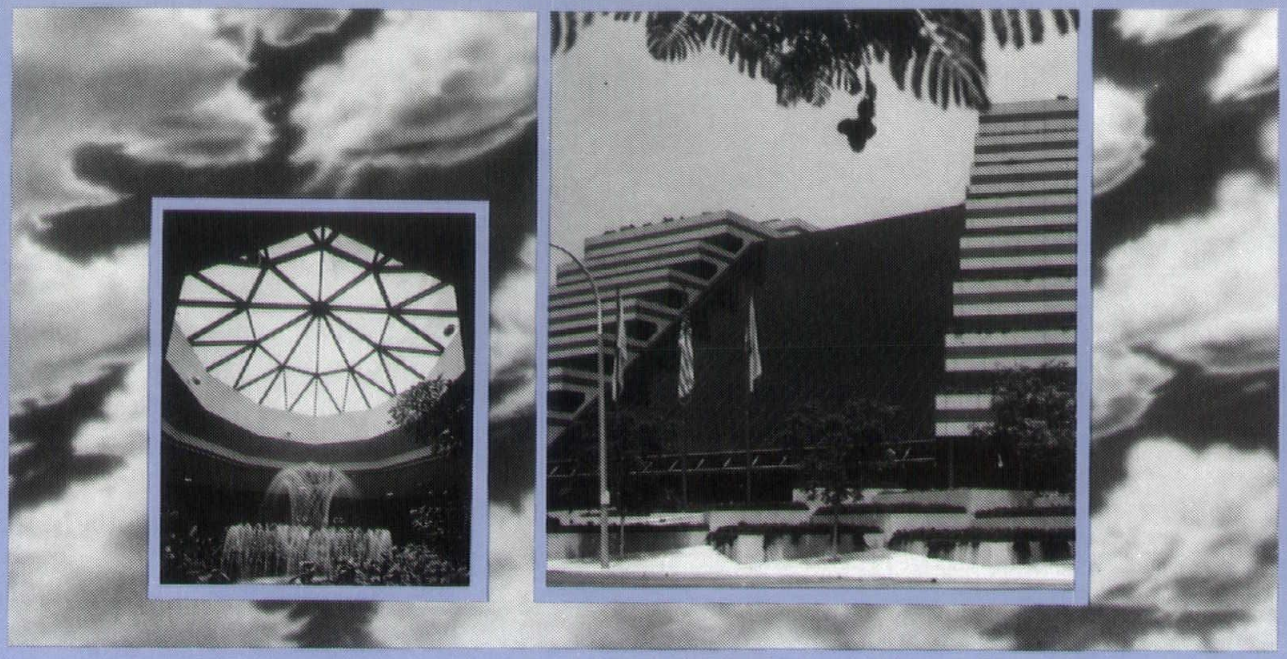

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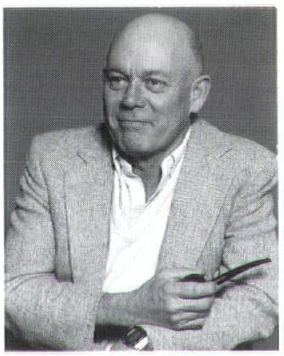
WSA Golden Award

The fourth WSA Golden Award has been awarded to Wayne E. Spangler, FAIA, of Rice Lake. In accordance with previously adopted rules and procedures, Wayne was named the recipient of the 1989 Golden Award by the WSA Board of Directors at its December meeting in Milwaukee.

The Golden Award is the highest honor the WSA can bestow on one of its members. Its purpose is to recognize an individual architect who has performed most distinguished leadership and service to the WSA over an extended period of time and has advanced the cause of the profession in providing an inspiration to his/her fellow practitioners.



Wayne E. Spangler, FAIA

The WSA Golden Award will be formally presented to Wayne at the 1989 WSA Convention to be held April 18–20, 1989 at the Olympia Village in Oconomowoc. In recognition of his contributions to the WSA and the profession of architecture, Wayne joins an elite group of previous WSA Golden Award recipients which includes David E. Lawson, FAIA; Paul H. Graven, FAIA; and Mark A. Pfaller, FAIA. Congratulations, Wayne.

Awards/Competitions

ARCHITECTURAL RECORD is sponsoring its second annual *In the Public Interest* awards program. The program is aimed at encouraging and recognizing excellence in the design and planning of public architecture. The building type for the 1989 awards program is Recreational Buildings, including park buildings, public playgrounds, community centers, arenas and stadiums. The entry deadline is May 1, 1989. There is no entry fee. For further information, call Paul Sachner at (212) 512–3088.

A national, open, one-stage design competition has been announced for a National Peace Garden in Washington, D.C. The registration deadline is May 26, 1989, and designs are due on August 25, 1989. For further information and registration forms write: Paul D. Spreiregren, FAIA, Professional Advisor, Peace Garden Design Competition, P.O. Box 27558, Washington, D.C. 20038–7558.

Associate News

Kevin Shumann, the Associate Member representative on the WSA Board of Directors, reports that the WSA budget for 1989 includes $800 for workshops on the Intern-Architect Development Program (IDP). Each of the WSA's four Chapters has been allocated $200 a piece to conduct IDP-related programs. If you want to get involved in the planning for these sessions, contact Kevin at Reinke Hansche Last, Inc., in Oshkosh at (414) 231–6950.

Southwest Chapter Associate members Rich Wandschneider and Eric Urtes have put together several informative meetings and educational project tours for 1989. For further information, contact Rich at Marshall Erdman & Associates, (608) 238–0211, or Eric at Strand Associates, (608) 251–4843.

Eric and Rich report that the dates for the next ARE are June 12–15, 1989. All application material must be sent in by April 14, 1989. Questions regarding the exam in Wisconsin should be addressed to: LGR Examinations, Attn: Wisconsin Architect Program, 1315 South Allen Street, State College, PA 16801, 1–800–847–7171.

NCARB reports that architecture is the first profession to implement computerized testing for professional registration on a national basis. Last fall, Madison was selected as a test site for the Computer-administered Architects Registration Exam (C/ARE). In addition to more frequent administrations, applicants will be able to individually schedule the date and time of their exam within certain periods and will receive their scores within a matter of weeks, according to NCARB.

This spring, the following divisions of the exam will be available through the C/ARE: Structural Technology—General and Long Span, Structural Technology—Lateral Forces and Construction Documents. For information on the C/ARE, contact NCARB at (202) 783–6500.

People & Places

Joseph H. Flad, FAIA, has been accepted as a Member Emeritus of The American Institute of Architects.

Craig Sallander, AIA, and Bruce Marne, AIA, have joined the staff of Heike/Design Associates, Inc., in Brookfield. Both architects are graduates of the UWM School of Architecture and Urban Planning and were formerly with American Medical Buildings in Milwaukee.

Reimar Frank, AIA, of Oconomowoc has been reappointed by Governor Thompson to his second term on the state's Dwelling Code Council.

Mike West, AIA, has been named Associate Architect with the Chippewa Falls architectural firm of Douglas Herbert Smith, AIA. Mike received his architectural degree from the University of Illinois and has been affiliated with firms in Arkansas, Florida and Wisconsin.

Linde Jensen Marcheske Architects, Inc., has moved into its new office at 813 Riverfront Drive in Sheboygan.

Helmut Ajango, AIA, of Fort Atkinson has been notified by Estonia officials that his design has been selected for a memorial to be constructed in memory of the 60,000 Estonians killed or deported during the Soviet occupation in the early 1940s. Helmut fled Estonia with his parents and sister in 1944.

A number of WSA members are active on AIA National committees. Emma Macari, AIA, has been appointed to the Women in Architecture Committee. David Lawson, FAIA, is serving on the Government Affairs Advisory Committee. William Wenzler, FAIA, is part of the AIA's Vision 2000 program. Mark A. Pfaller, FAIA, has agreed to assume the chair of the AIA Documents Committee in 1990.

John T. Nichols, AIA, of Green Bay has been appointed by Governor Thompson as a member of the Architects, Professional Engineers, Designers and Land Surveyors Examining Board. Jeff will be replacing Brian Larson, AIA, of Eau Claire on the Architects Section of the Joint Board.

Membership Action

Weiser, Stanley, was approved for Associate Membership in the Northwest Wisconsin Chapter.

Durler, Gary, was approved for Associate Membership in the Southeast Wisconsin Chapter.

Loewen, Frederick F., was approved for AIA Membership in the Southwest Wisconsin Chapter.

Rice, Steven, was approved for AIA Membership in the Southwest Wisconsin Chapter.

Diehl, Karen, was approved for Associate Membership in the Southeast Wisconsin Chapter.

Drews, David, was approved for AIA Membership in the Southeast Wisconsin Chapter.

Peine, Michael, was approved for AIA Membership in the Southeast Wisconsin Chapter.

Zimmerman, John M., was approved for Associate Membership in the Northwest Wisconsin Chapter.

Arneson, Ann, was approved for Associate Membership in the Northwest Wisconsin Chapter.

West, Michael G., was approved for AIA Membership in the Northwest Wisconsin Chapter.

Dalberg, Paul E., was approved for AIA Membership in the Southwest Wisconsin Chapter. Paul transferred from Chicago, Illinois.

Petrulis, David, was approved for Associate Membership in the Southeast Wisconsin Chapter, David transferred from Chicago, Illinois.

Glueck, James I., was approved for AIA Membership in the Southwest Wisconsin Chapter.

Sampe, Charlotte, was approved for Associate Membership in the Southeast Wisconsin Chapter. Charlotte was a Prof. Affiliate.

Dlugopolski, Gary, was approved for AIA Membership in the Southeast Wisconsin Chapter. Gary upgraded from an Associate Member.

Ladopoulos, Nicholas, was approved for Associate Membership in the Southwest Wisconsin Chapter.

Capell, J. Gerard, was approved for AIA Membership in the Southeast Wisconsin Chapter. He transferred from California.

Berner, Heinz, was approved for AIA Membership in the Southeast Wisconsin Chapter.

Aniruddha, Gupte, was approved for Associate Membership in the Southeast Wisconsin Chapter.

Cecchini, Dennis was approved for AIA Membership in the Northwest Wisconsin Chapter.

Stangl, Michael, was approved for AIA Membership in the Southeast Wisconsin Chapter.

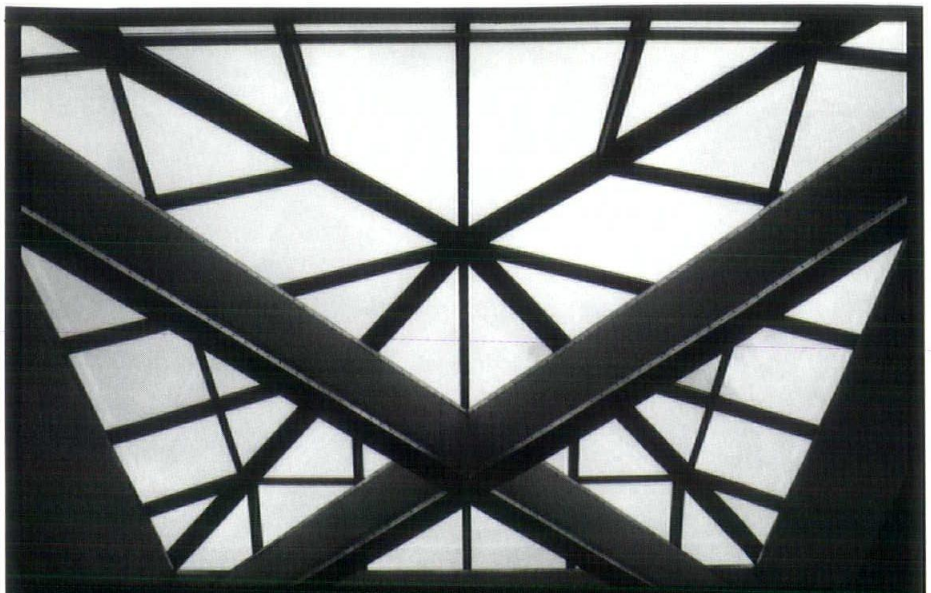
Simons, John E., was approved for AIA Membership in the Southeast Wisconsin Chapter.

Huettenrauch, Peter J. was approved for Associate Membership in the Southeast Wisconsin Chapter.

Flasch, Mark K., was approved for AIA Membership in the Southeast Wisconsin Chapter.

Stapleton, Dennis, was approved for AIA Membership in the Southeast Wisconsin Chapter.

Walker, William, was approved for AIA Membership in the Southeast Wisconsin Chapter.



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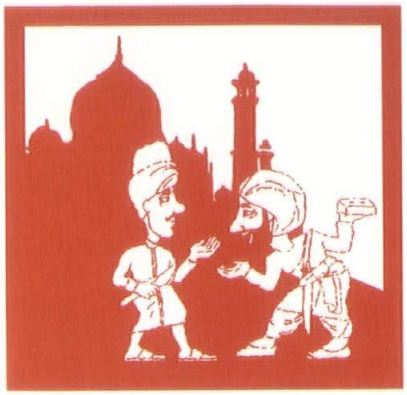

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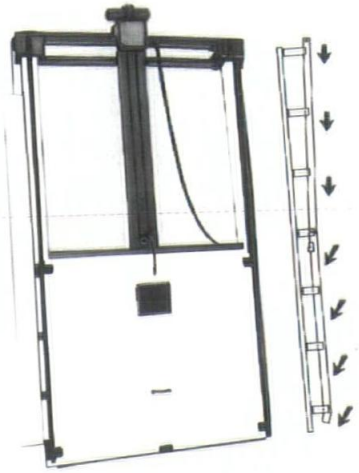

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For more information on the ENVIRO Vertical Rise Door, write ASI Technologies, Inc., 5848 N. 95th Court, Milwaukee, WI 53223 or phone toll-free 1–800–558–7068 (WI – 1–414–464–6200).

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The brochure was produced by the Southeastern Wisconsin members of the Wisconsin Ready Mixed Concrete Association. Their Structural Concrete Promotion Team, created in 1988, advances poured in place reinforced and post-tensioned concrete construction and provides information services to all segments of the construction industry.

For a free copy of the brochure or to utilize the Structural Concrete Promotion Team's services, contact the Wisconsin Ready Mixed Concrete Association, 9415 W. Forest Home Avenue, Hales Corners, WI 53130 (414–529–5077.)

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A full color brochure from the Door Division of The Ceco Corporation illustrates the versatility, styling and operating integrity of the new SunScape™ Patio Door System. SunScape combines the security and low maintenance of steel door construction with an expanded viewing area, recessed glazing, and traditional stiles and rails for an authentic French door look. The swing-open door action provides convenience and dead bolt security with special reinforcements. For your free copy of the SunScape Patio Door System brochure, contact The Ceco Door Division, 1 Tower Lane, Oakbrook Terrace, IL 60181, (312) 571–5000.

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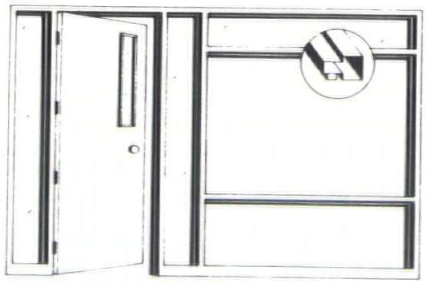

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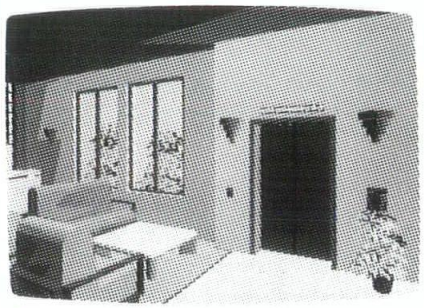

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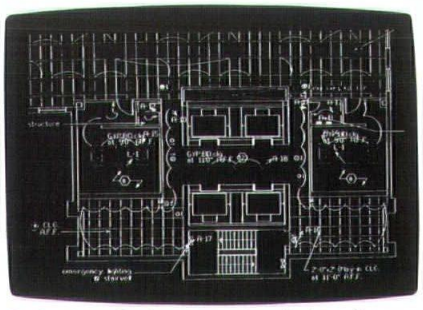

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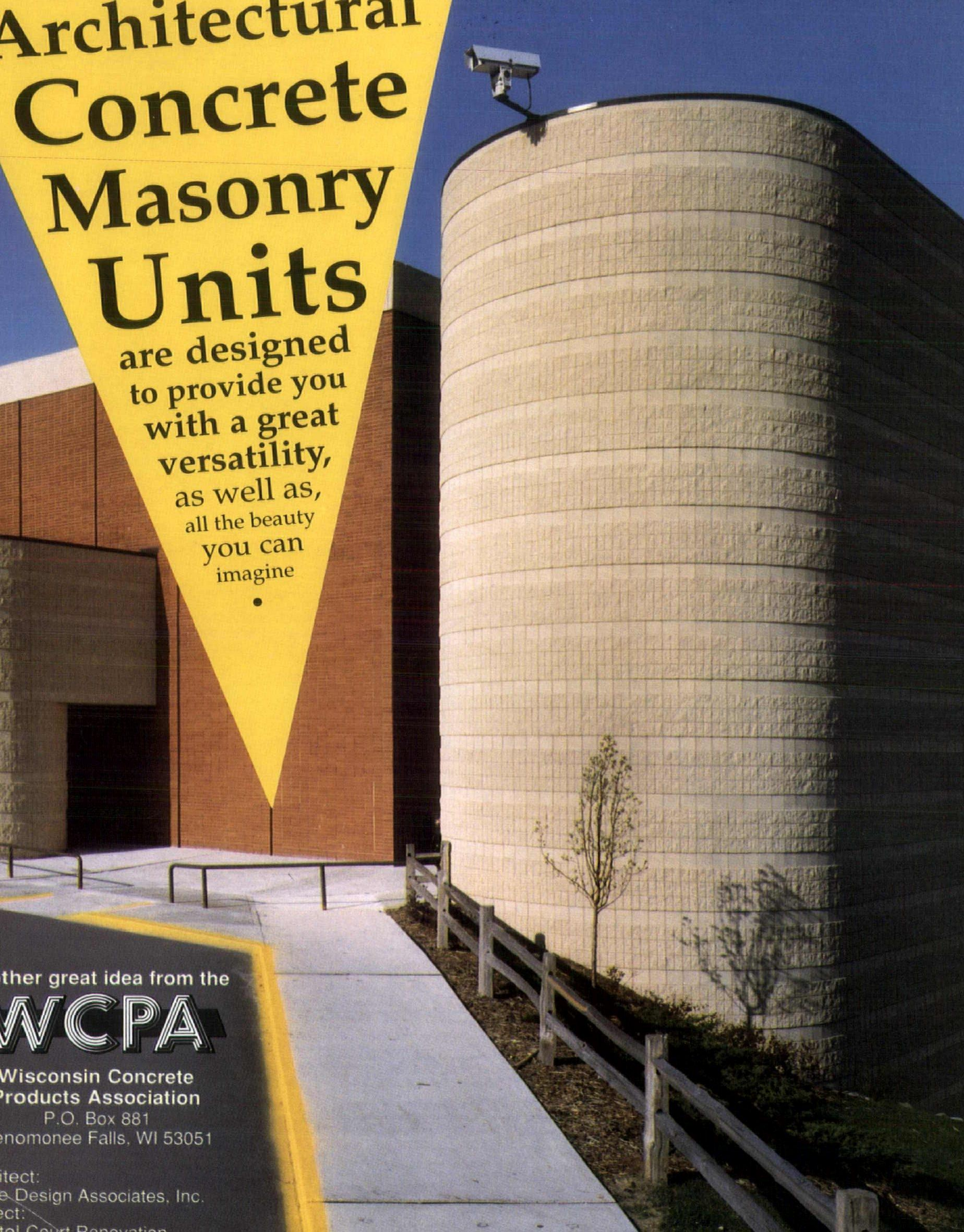
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